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Curriculum Vitae (of 22.11.2016)

Born: 29th of October 1976 in Wagna, Austria
1995: High School Matura at Bundesrealgymnasium Leibnitz
1995-2005: Study of Zoology at University of Graz.
2000: Research internship at the CNRS Laboratoire de Populations, Genetique et Evolution in Gif-sur-Yvette (France)
2005: Master thesis "Changes in the patriline composition of a honeybee colony" (univ. Prof. Karl Crailsheim)
2006-2007: Employee for FWF Project P15961-B06 (Body temperature and energetics of foraging bees and wasps)
2007-2011: Scientific employee at the Department of Zoology, University of Graz
2007-2012: Phd thesis "Nutrition of honey bees (*Apis mellifera*) on larval, adult and colony level" (univ. Prof. Karl Crailsheim)
2010-present: Holding Lectures and Seminars at University of Graz
2012: Employee at Styrian Beekeepers Association
2012-present: Postdoc at the University of Graz (Institute of Zoology, Institute of Environmental Sciences)
2013-present: Holding Lectures and Seminars at University of Veterinary Medicine, Vienna

Awards, Grants and Fellowships

2002: University of Graz Scholarship
2009-2012: MC Substitute Member of Prevention of Honey Bee Colony Losses (COLOSS)
2010: Dr. Heinrich Jörg Scholarship
2011: Award of the Austrian Entomological Society (ÖEG)
2012-present: Member of International Bee Research Association (IBRA)
2013-present: Executive Committee Member of Prevention of Honey Bee Colony Losses (COLOSS)
2013: 1st Place TUN Fonds (Environment and Sustainability Fund) for www.Bienenstand.at
2014: Winter colony losses and renewal of honey bee livestock in Austria and the Czech Republic (Aktion: Austrian-Czech cooperation project 69p11)
2014-2017: Project "Zukunft Biene" funded by the Austrian ministry for agriculture, the Austrian provinces and the beekeeping association "Biene Österreich"
2014-present: Member of Citizen Science Association
2015: Honey bee colony losses in Austria and the Czech Republic and relation to the bee immune system (Aktion: Austrian-Czech cooperation project 71p6)
2015: START Danube Region Project: Bee=Biodiversity (2015)
2015: Contract research funded by Agrana: Untersuchung der Eignung einer teilinvertierten Bio-Zuckerlösung zur Bienenfütterung
2015: Gold Medal at World beekeeping awards at Apimondia in Daejeon, South Korea for best website (www.Bienenstand.at)
2016: Economic impact of winter losses of honey bee colonies and research on honey bee immunity (Aktion: Austrian-Czech cooperation project 74p4)

Refereed Publications

17 peer-reviewed and web of science listed publications (see list below), h-index 9, sum of times cited: 283, without self-citation 259.

Other Publications

6 Book chapters (5 “Beebook” chapters are also published in JAR)

7 Articles in Beekeeping Journals

3 other Articles

More than 50 abstracts in conference proceedings

Teaching

Since 2006: Lectures and courses at the University of Graz, currently lecture and course “Behaviour and Physiology of Social Insects” and course “Animal behaviour”.

Since 2014: Lectures and courses at the Veterinarian University of Vienna, currently lecture “Apiculture, honey bee health and bee pathology” and course “Honey bee pathology”.

Organisation

COLOSS workshop: “Method standardization for larval tests” in Graz, 7.-9.6.2010

COLOSS workshop: “Estimation of honey bee colony losses - Continuity and visibility” in Graz, 4.-5.2.2014

COLOSS workshop: “The C.S.I. Pollen workshop – Training the national coordinators” in Graz, 6.-7.2.2014

Referee for

Apidologie

Computers and Electronics in Agriculture

Ecohealth

Journal of Apicultural Research

Journal of Economic Entomology

Journal of Insects

Journal of Insect Physiology

Journal of Invertebrate Pathology

Plos One

Rubriq

Scientific Reports

List of Peer Reviewed and Web of Science listed Publications

Hrassnigg, Brodschneider, Fleischmann, Crailsheim (2005) Unlike nectar foragers, honeybee drones (*Apis mellifera*) are not able to utilize starch as fuel for flight. Apidologie 36: 547-557.

Kovac, Stabentheiner, Brodschneider (2009) Contribution of honeybee drones of different age to colonial thermoregulation. Apidologie 40: 82–95.

Brodschneider, Riessberger-Gallé, Crailsheim (2009) Flight performance of artificially reared honeybees (*Apis mellifera*). Apidologie 40: 441–449.

Brodschneider, Moosbeckhofer, Crailsheim (2010) Surveys as a tool to record winter losses of honey bee colonies: a two year case study in Austria and South Tyrol. Journal of Apicultural Research 49: 23-30.

Stabentheiner, Kovac, Brodschneider (2010) Honeybee colony thermoregulation – regulatory mechanisms and contribution of individuals in dependence on age, location and thermal stress. Plos ONE 5: e8967. doi:10.1371/journal.pone.0008967. (13 pages)

Brodschneider, Crailsheim (2010) Nutrition and health in honeybees. Apidologie 41: 278–294.

van der Zee, Pisa, Andonov, Brodschneider, Charrière, Chlebo, Coffey, Crailsheim, Dahle, Gajda, Gray, Drazic, Higes, Kauko, Kence, Kence, Kezic, Kiprianovska, Kralj, Kristiansen, Martin Hernandez, Mutinelli, Nguyen, Otten, Özkiprim, Pernal, Peterson, Ramsay, Santrac, Soroker, Topolska, Uzunov, Vejsnæs, Wei, Wilkins (2012) Managed honey bee colony losses in Canada, China, Europe, Israel and Turkey, for the winters of 2008-9 and 2009-10. Journal of Apicultural Research 51: 100-114.

Brodschneider, Arnold, Hrassnigg, Crailsheim (2012) Does Patriline Composition Change over a Honey Bee Queen's Lifetime? Insects, 3, 857-869; doi:10.3390/insects3030857

vanEngelsdorp, Brodschneider, Brostaux, van der Zee, Pisa, Underwood, Lengerich, Spleen, Neumann, Wilkins, Budge, Pietravalle, Allier, Vallon, Human, Muz, Le Conte, Caron, Baylis, Haubruge, Pernal, Melathopoulos, Saegerman, Pettis, Nguyen (2012) Calculating and reporting managed honey bee colony losses, in Honey Bee Colony Health: Challenges & Sustainable Solutions (ed. Sammataro and Yoder) CRC Press, Taylor & Francis Group, Boca Raton, 229-236.

Williams, Alaix, Costa, Csáki, Doublet, Eisenhardt, Fries, Kuhn, McMahon, Medrzycki, Murray, Natsopoulou, Neumann, Oliver, Paxton, Pernal, Shutler, Tanner, van der Steen, Brodschneider (2013) Standard methods for maintaining adult *Apis mellifera* in cages under in vitro laboratory conditions. In V Dietemann; J D Ellis; P Neumann (Eds) The COLOSS BEEBOOK, Volume I: standard methods for *Apis mellifera* research. Journal of Apicultural Research 52(1):

<http://dx.doi.org/10.3896/IBRA.1.52.1.04>

Crailsheim, Brodschneider, Aupinel, Behrens, Genersch, Vollmann, Riessberger-Gallé (2013) Standard methods for artificial rearing of *Apis mellifera* larvae. In V Dietemann; J D Ellis; P Neumann (Eds) The COLOSS BEEBOOK, Volume I: standard methods for *Apis mellifera* research. Journal of Apicultural Research 52(1): <http://dx.doi.org/10.3896/IBRA.1.52.1.05>

Scheiner, Abramson, Brodschneider, Crailsheim, Farina, Fuchs, Grünewald, Hahshold, Karrer, Koeniger, Koeniger, Menzel, Mujagic, Radspieler, Schmickl, Schneider, Siegel, Szopek, Thenius (2013) Standard methods for behavioural studies of *Apis mellifera*. In V Dietemann; J D Ellis; P Neumann (Eds) The COLOSS BEEBOOK, Volume I: standard methods for *Apis mellifera* research. Journal of Apicultural Research 52(4): <http://dx.doi.org/10.3896/IBRA.1.52.4.04>

Human, Brodschneider, Dietemann, Dively, Ellis, Forsgren, Fries, Hatjina, Hu, Jaffé, Jensen, Köhler, Magyar, Özkiprim, Pirk, Rose, Strauss, Tanner, Tarpy, Van Der Steen, Vaudo, Vejsnæs, Wilde, Williams, Zheng (2013) Miscellaneous standard methods for *Apis mellifera* research. In V Dietemann; J D Ellis; P Neumann (Eds) The COLOSS BEEBOOK, Volume I: standard methods for *Apis mellifera* research. Journal of Apicultural Research 52(4): <http://dx.doi.org/10.3896/IBRA.1.52.4.10>

van der Zee, Gray, Holzmann, Pisa, Brodschneider, Chlebo, Coffey, Kence, Kristiansen, Mutinelli, Nguyen, Adjlane, Peterson, Soroker, Topolska, Vejsnæs, Wilkins (2013) Standard survey methods for estimating colony losses and explanatory risk factors in *Apis mellifera*. In V Dietemann; J D Ellis; P

Neumann (Eds) The COLOSS BEEBOOK, Volume II: Standard methods for *Apis mellifera* research.
Journal of Apicultural Research 52(4): <http://dx.doi.org/10.3896/IBRA.1.52.4.18>

van der Zee, Brodschneider, Brusbardis, Charrière, Chlebo, Coffey, Dahle, Drazic, Kauko, Kretavicius, Kristiansen, Mutinelli, Otten, Peterson, Raudmets, Santrac, Seppälä, Soroker, Topolska, Vejsnæs, Gray (2014) Results of international standardised beekeeper surveys of colony losses for winter 2012-2013: analysis of winter loss rates and mixed effects modelling of risk factors for winter loss. Journal of Apicultural Research 53: 19-34.

Kovac, Stabentheiner, Brodschneider (2015) What do foraging wasps optimize in a variable environment, energy investment or body temperature? Journal of comparative Physiology A 201: 1043-1052.

Krainer, Brodschneider, Vollmann, Crailsheim, Riessberger-Gallé (2015) Effect of Hydroxymethylfurfural (HMF) on mortality of artificially reared honey bee larvae (*Apis mellifera carnica*). Ecotoxicology, in press.